

Fig. 2

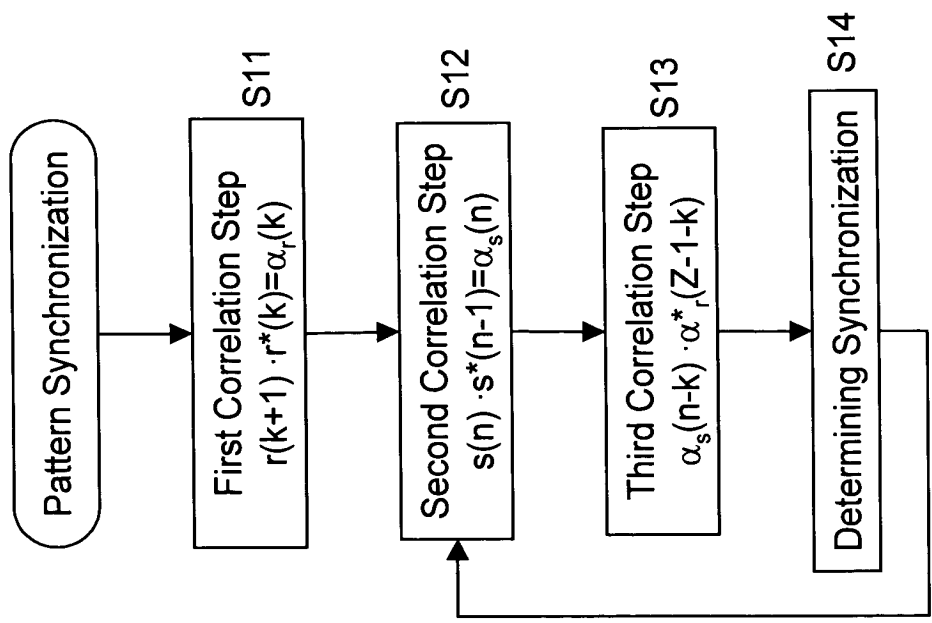


Fig. 1

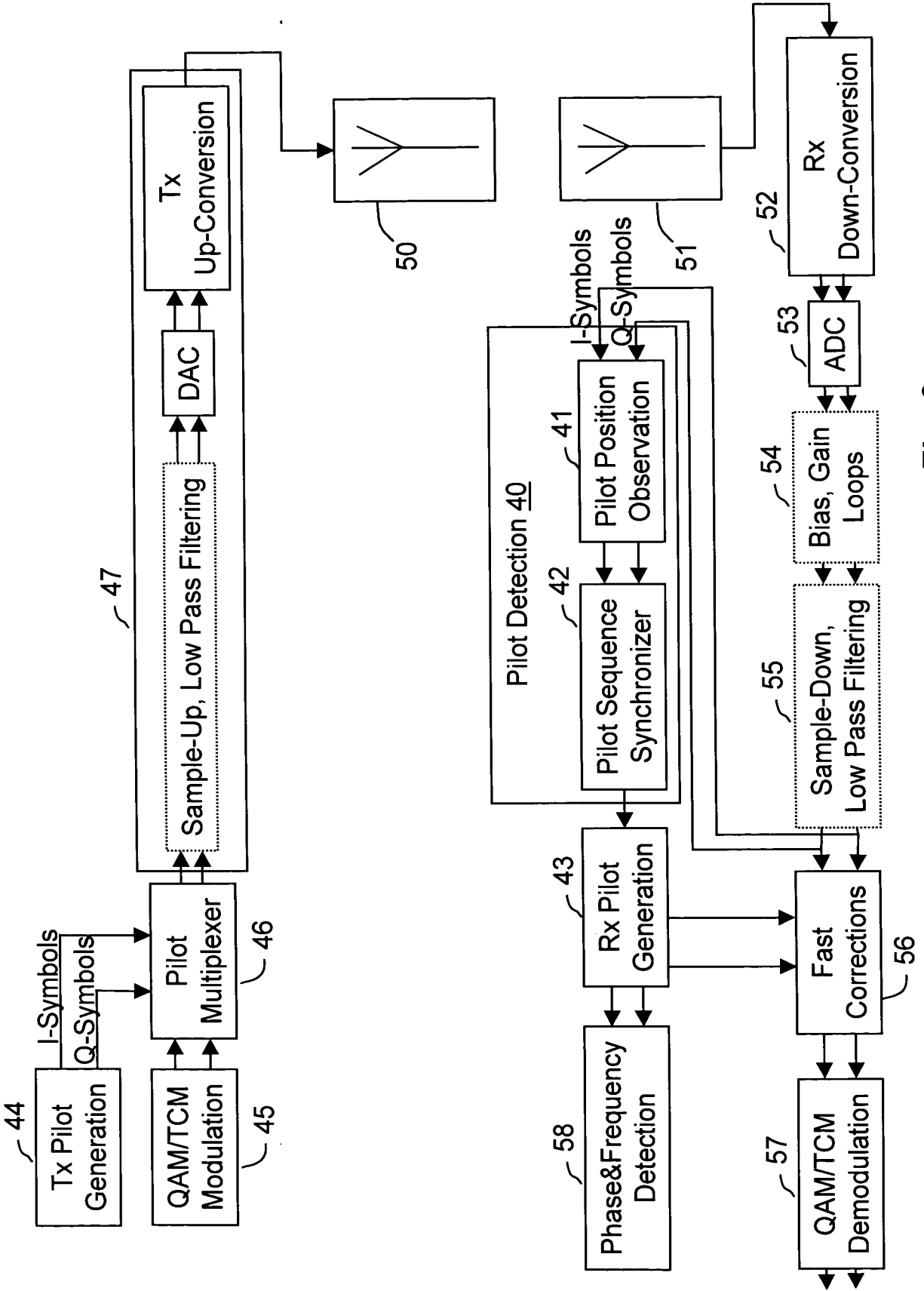


Fig. 3

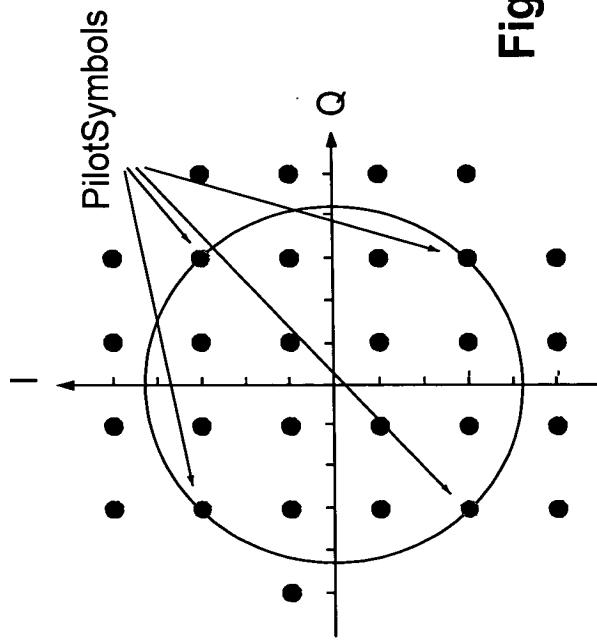


Fig. 4

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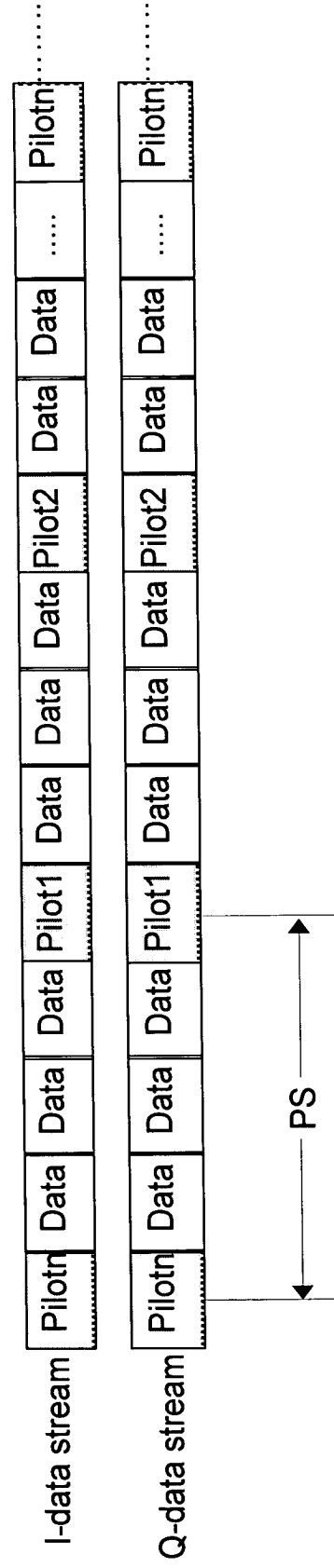


Fig. 5

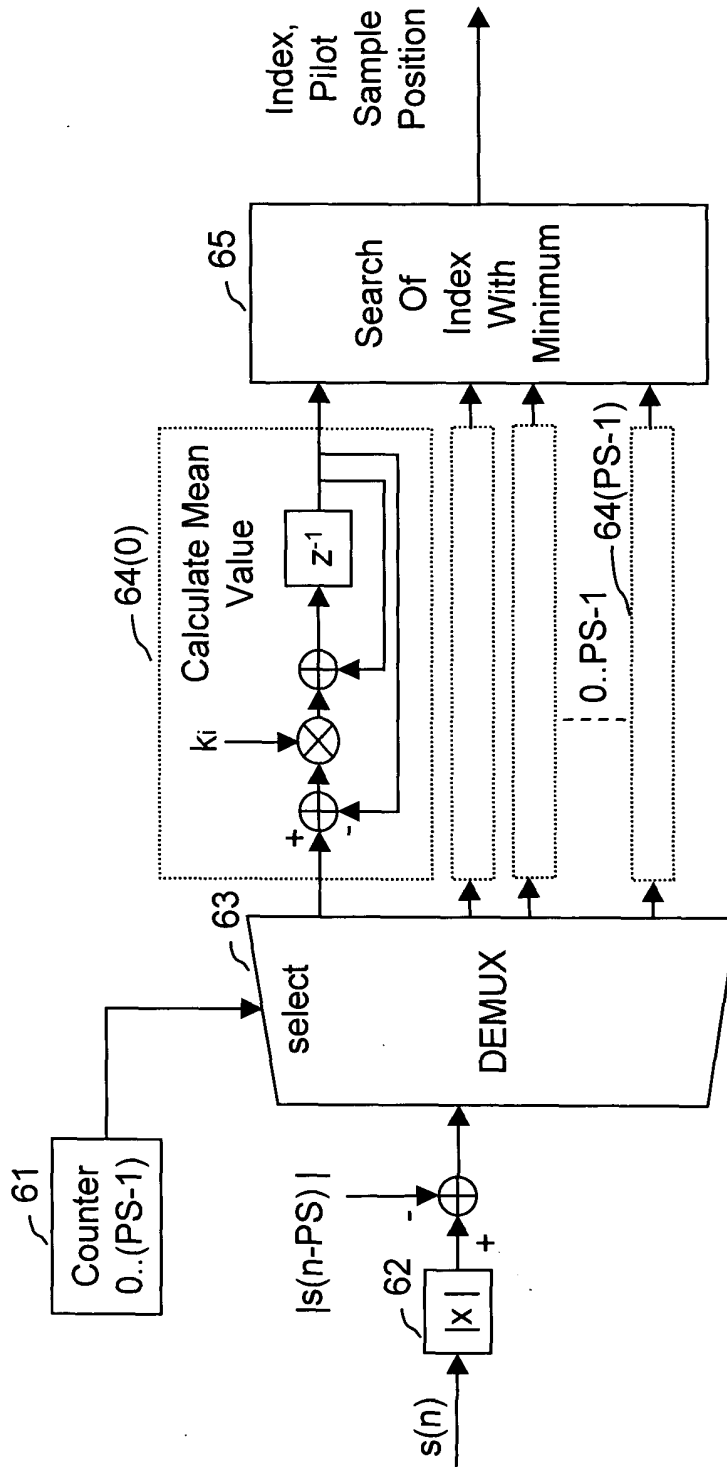


Fig. 6

I/Q pilot symbols

Pilot 1	Pilot 2	Pilot 3	Pilot 4	Pilot 5	Pilot 6	Pilot .....	Pilot .....	Pilot .....	Pilot P-3	Pilot P-2	Pilot P-1	Pilot P
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Reference pattern sequence of length  $Z$ , ( $Z < P$ )

Complete pattern sequence of pilot symbols of length  $P$

Fig. 7

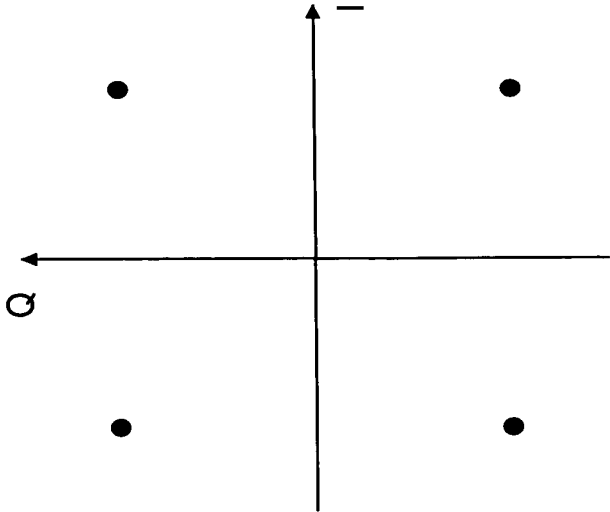


Fig. 8

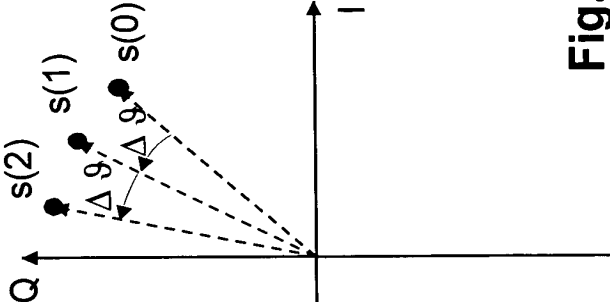


Fig. 9

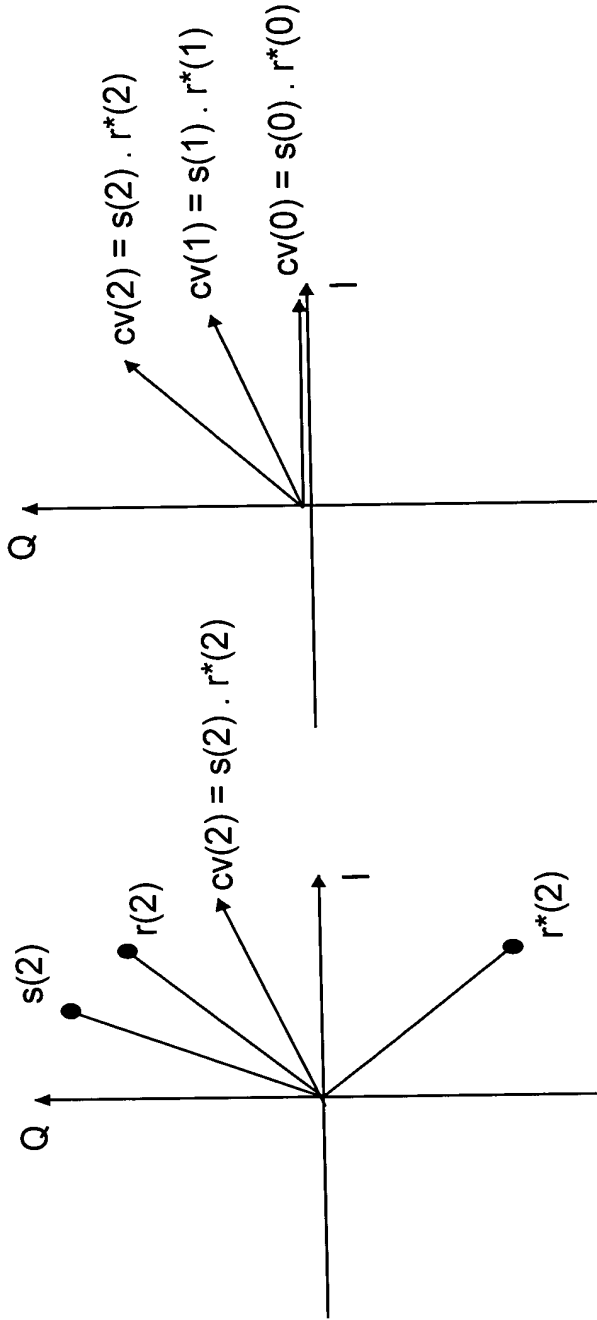


Fig. 10

Fig. 11

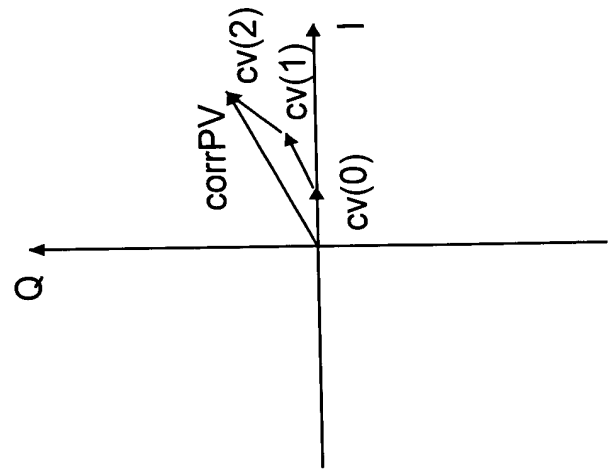


Fig. 12

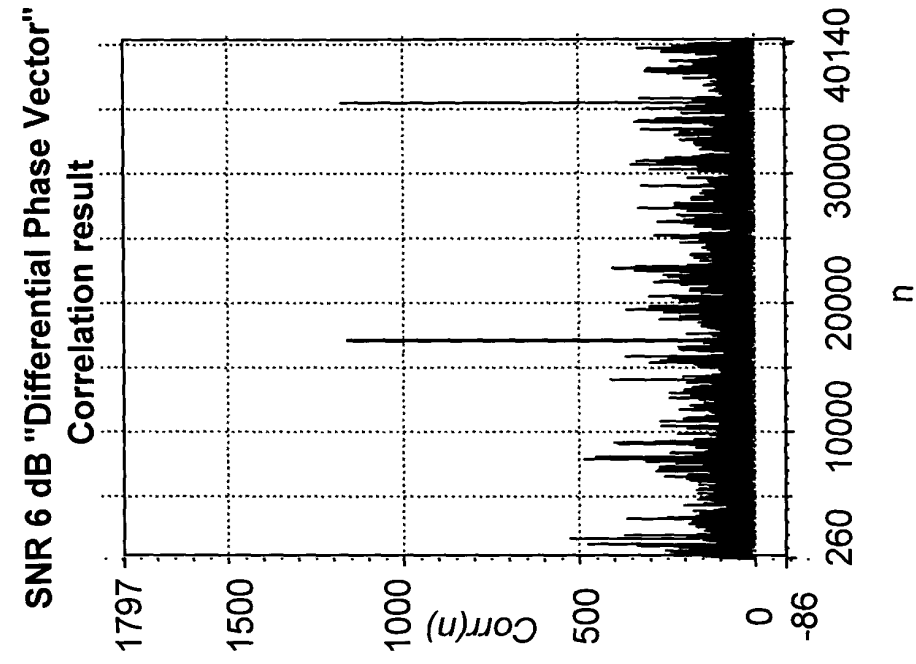


Fig. 14

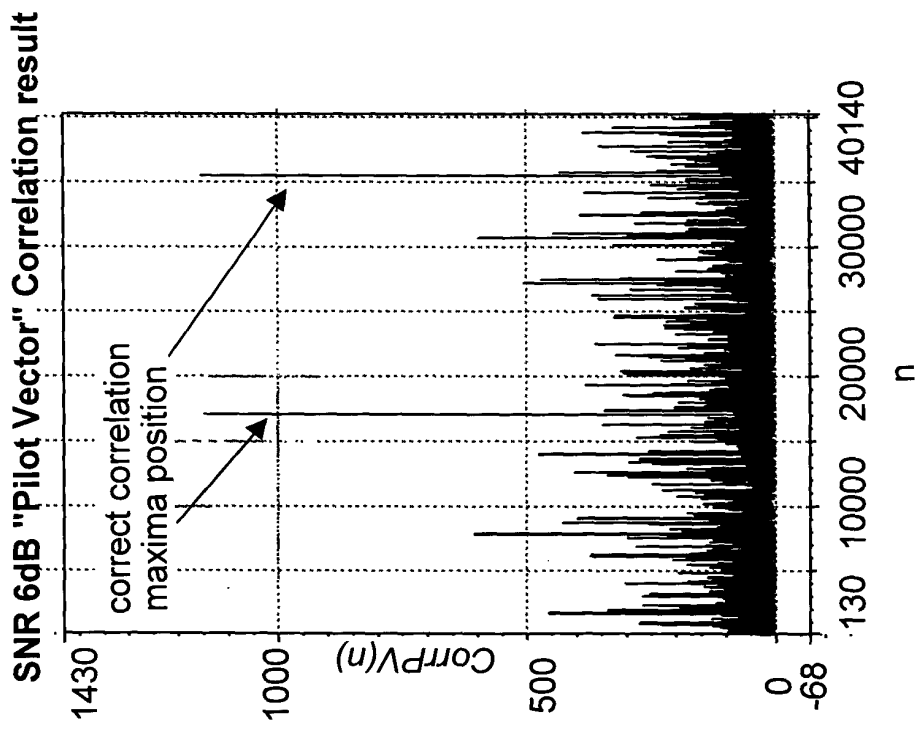


Fig. 13

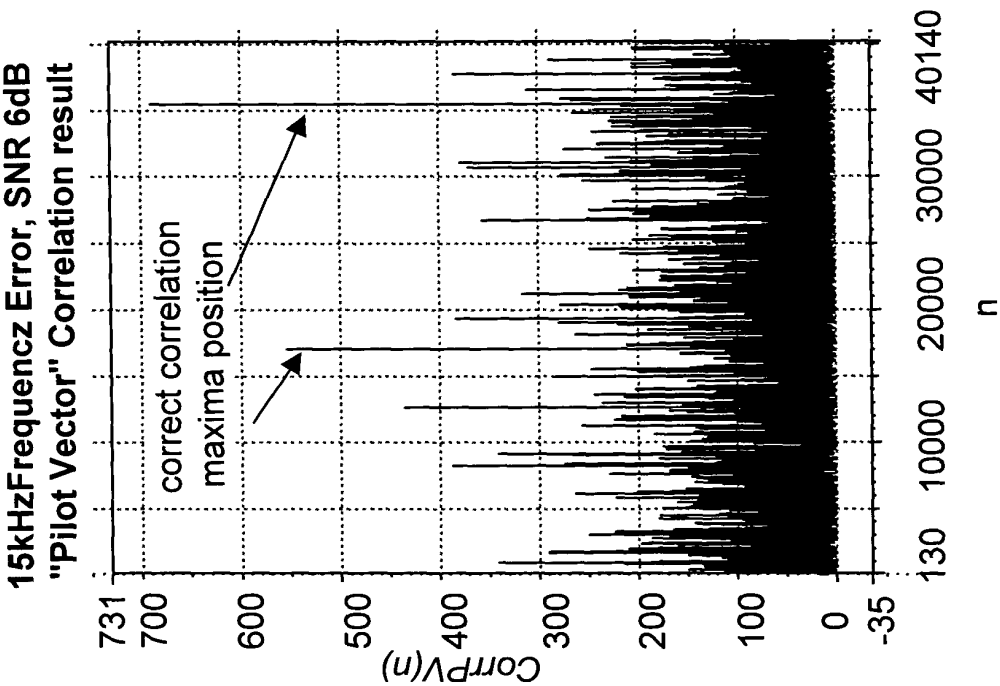


Fig. 15

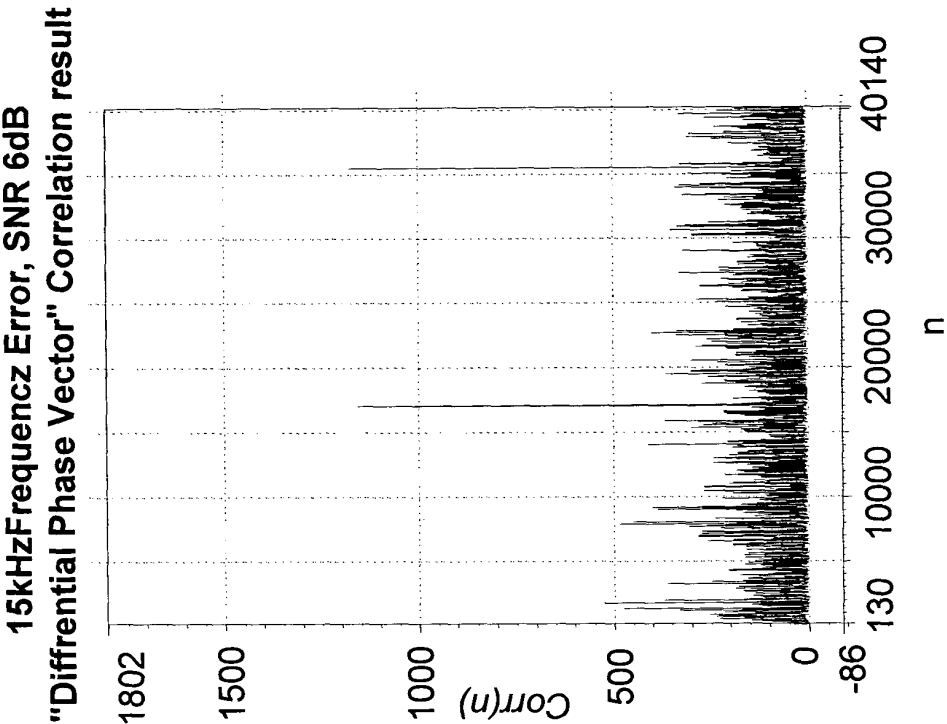
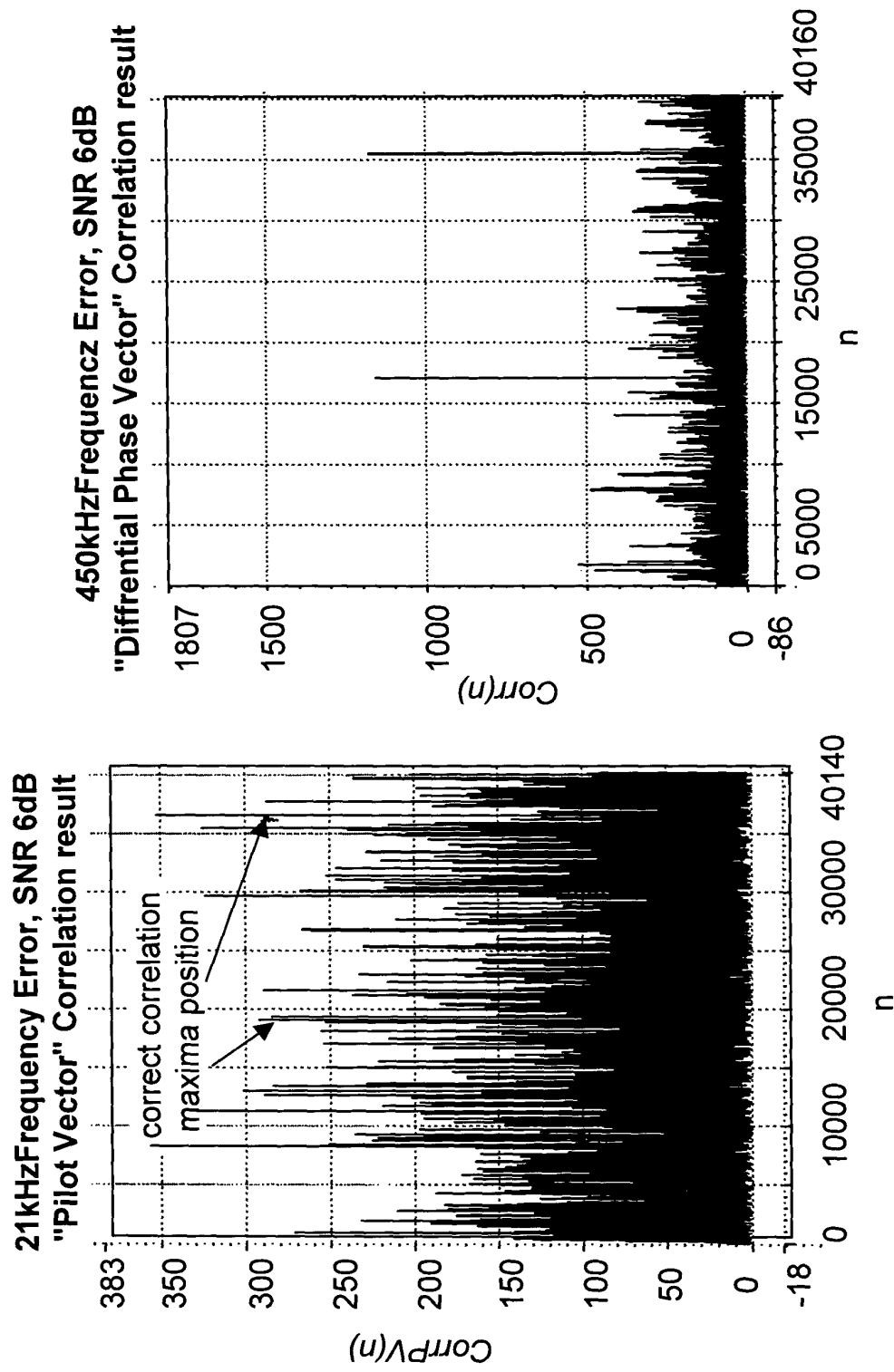


Fig. 16





**Fig. 17**

**Fig. 18**